



**Request for Bids
Single Axle Cab & Chassis**

Issue Date: July 11, 2016

**Purchasing Department
73 Harlow Street
Bangor, Maine 04401
207-992-4282**

I. Introduction

The City of Bangor requests bids for one (1) single axle, extended cab and chassis that will be used to assemble an Electrical Bucket truck. The completed unit will be used for construction work and high voltage electrical repair work. Model year 2016 preferred, although an unused 2015 model that meets specifications will be considered. In order to expedite the assembly and delivery of this equipment, the City will accept an "off the lot" cab & chassis that complies with the bid specifications for axle, suspension, frame, and body strength.

The City intends to trade-in a 2001 International Navistar T444E Bucket Truck with approximately 13,000 hours. To make arrangements to view this machine, please contact Eric Willett, Fleet Supervisor at 207-992-4662. All questions must be submitted in writing in accordance with section IV.

II. General Information

General information is available on the City's website at the following web address: www.bangormaine.gov/proposals. By submitting a response to this solicitation, the bidder accepts the responsibility for downloading, reading and bidding by the terms and conditions set forth in the City's "General Information for Vendors".

III. Submission

To be considered, return pages 4-10 of this Request for Bids in an envelope clearly marked **"Single Axle Cab and Chassis Bid"** by **2:00 PM, Wednesday, August 3, 2016** to the Purchasing Department, City Hall, 73 Harlow Street, Bangor, Maine 04401.

Bids may also be submitted via email by using the link at the top of this page or by sending to: bids@bangormaine.gov. If emailing bid, please reference **"Single Axle Cab and Chassis"** in the subject line. Bids will be publicly opened at the time stated above.

A tabulation of all bids received will be available after 3:00 PM on the date of opening. Bid results may be viewed by visiting the City's website at www.bangormaine.gov/bidtabs.

IV. Questions

All questions must be directed in writing to bids@bangormaine.gov no later than **4:30 PM, Thursday, July 21, 2016**.

The City will issue a response to any questions or inquiries submitted in writing by the date above, on or before **4:30 PM, Monday, July 25 ,2016**. The response will be in the form of an addendum, which will be available made on the City's website.

V. Withdrawal of Bids

No Bidder may withdraw his/her bid for a period of ninety (90) days from the date of opening. All bids shall be subject to acceptance by the City during this period. To withdraw a bid prior to the opening, the bidder shall request the withdrawal in writing. All costs associated with the withdrawal (i.e. mailing fees) will be borne by the Bidder.

VI. Award

The bid award will be based on the following:

- Price of equipment offered.
- Quality and performance of equipment offered.
- Availability of equipment and parts.
- Prior history or experience with the Bidder and equipment (if no history or experience, references will be required).

VII. Information & Requirements

1. Pages three (3) through nine (9) of this request must be completed and returned with all questions answered in order to be considered.
2. In Section VIII: Specifications, the bidder is asked whether they comply with the referenced sections. Caution should be taken by the Bidder to ensure that all questions are answered and that all information requested is provided.
3. Any exception to the provisions in the specifications must be marked in the body of this document and itemized on a separate page titled "Exceptions", referenced by section number and paragraph, along with a detailed explanation of the exception.
4. The entire unit and all equipment must be thoroughly inspected, serviced and ready for use upon delivery. All work performed must meet established industry standards of quality to be acceptable. Any unacceptable work must be corrected before payment is issued.
5. All Federal and State taxes must be excluded from the bid price. A tax exemption certificate for the City of Bangor shall be furnished to the successful Bidder upon request.
6. The City reserves the right to negotiate with the lowest responsive Bidder.
7. This vehicle will become a complete electrical bucket truck with a service line body. Arrangements must be made at a later date to transport this vehicle to the completing dealer for finish work. A check for front end alignment after all equipment has been installed must be performed prior to delivery of completed vehicle. All warranty dates shall begin upon date of finished deliver.

8. Computer software training for Technicians and Parts people provided at the City of Bangor Fleet Building in the amount of four (4) hours each, if necessary, for both day and night shifts is required.

VIII. SPECIFICATIONS

Note: If requirements are not met, exceptions must be outlined separately.

1. UNIT

- A. 6 wheel Extended Cab & Chassis with G.V.W. of not more than 25,999 pounds, non CDL truck
- B. Extended cab such as a 4300 SBA 4x2 or Freightliner M2 106

2. WHEELBASE AND C.A.

- A. Truck wheelbase shall be a minimum of 200"
- B. Measurement of frame from rear axle center to end of frame shall be minimum of 63"

3. FRONT AXLE

- A. 10,000 lb. minimum capacity I-Beam type, such as Meritor MFS-10-122A or equal
- B. Oil lubricated and sealed wheel bearings with visible oil supply
- C. Front axle should be the set-back type

4. REAR AXLE

- A. 19,000 lb. axle with locking wheel differential Meritor MS-19-14X-3DCL or approved equal
- B. Approximately 65 Mph at most economical RPM in high gear
- C. Aluminum housings not acceptable
- D. Magnetic oil drain plug
- E. Oil lubricated and sealed wheel bearings
- F. Rear axle ratio shall be 5.86 to one
- G. Driver controlled traction control

5. ENGINE

- A. Automotive diesel, 4 cycle 220 Hp (minimum)
- B. Cummins, Navistar or approved equal
- C. Turbocharged
- D. 600 lbs./ft. minimum torque output
- E. Magnetic oil drain plug
- F. Engine block heater 1,000 watt minimum 110 volt, receptacle with spring operated lid mounted on front of truck

➤ Does the Bidder comply with the requirements of Section VIII, Subsection 1-5?
_____ Yes _____ No _____ Initials

6. TRANSMISSION

- A. Allison MD 3000 RDS Automatic transmission with PTO provision
- B. PTO openings for mounted Hydraulic pump
- C. Magnetic oil plug
- D. Must have push-button controls mounted on dash with prognostics
- E. Transmission oil check and fill with electronic oil level check

7. DRIVELINE

- A. Driveline shall be heavy duty and factory balanced
- B. Main Driveline shall use 17 series extended lube joints w/ half-round yokes

8. BRAKES

- A. Dual air brake system with ABS (such as Wabco 4 – channel system) or equal
- B. Front brakes shall be 16 ½ x 6 cam type (prefer “ Q ” + style)
- C. Rear brakes shall be 16 ½ x 7 cam type (prefer “ Q ” + style) with two (2) 30/30 brake chambers on rear axles, with moisture – proof chambers.
- D. All brake drums shall be outboard mounted cast drums
- E. Haldex Automatic Slack Adjustors or equal
- F. All air tanks and resevoirs must be aluminum with pull drain cords
- G. Pull drains on each reservoir with loose end of the cable attached professionally in a location that is easily accessible to the operator
- H. Semi-trailer connections and breakaway valve should be mounted on rear most crossmember in such a way not to interfere with proper placement of lights, pintle hook or license plates
- I. Hand control valve (trolley valve) shall be mounted on the steering column
- J. The brake control valve for trailer shall be mounted on the dash
- K. Wabco SS-120 Plus air dryer with integral heater and governor (frame mounted)

9. REAR SPRINGS AND SUSPENSION

- A. 26000 lb. spring capacity, minimum
- B. Must be leaf style rear springs
- C. Clearance between dual tires shall be 2” minimum. Clearance between inner dual tires and suspension system or brake chambers shall not be less than 2” This minimum clearance must be retained under all normal operating conditions under capacity loading. Local modifications will not be accepted Special spacers or wheel components will not be accepted
- D. All hardware shall be designed for extreme services

10. STEERING

- A. Full power steering such as Sheppard M-100

➤ Does the Bidder comply with the requirements of Section VIII, Subsection 6-10?

_____ Yes _____ No _____ Initials

11. ELECTRICAL

- A. 12 Volt Delcotron 160 amp. capacity alternator model number 28-SI or equal
- B. Heavy duty Delco Starter 12 volt, #38 MT Positork type with overcrank protection and full copper ground or equal
- C. Three (3) 12 Volt batteries, minimum of 1950 CCA Group 31, maintenance free stud mounting type
- D. Enclosed battery compartment with proper ventilation to prevent corrosion
- E. Sealed beam halogen headlights
- F. All exterior wiring shall be salt resistant in suitable loom or conduit
- G. Manually operated master battery disconnect switch mounted on the battery box and readily accessible to the operator, prefer Cole-hersee model M284-02 or equal
- H. Sealed battery cable end
- I. Battery cable corrosion resistor
- J. Separate fused 7-way semi-trailer socket mounted on rear most crossmember with trailer interrupter switch mounted on the dash
- K. Electronic features of manufacturer must be able to integrate with Electrical boom and body requirements
- L. Body INTG. Remote Power module mounted inside of cab up to 6 outputs and 6 inputs Max. 20 amps, 80 amps max
- M. Body INTG. Remote start / Stop (to start and stop engine)
- N. Body INTG. PTO accomodation for electric over hydraulic PTO with latched switch mounted on dash with alarm and light

12. TIRES & WHEELS

- A. Front tires will be 11R x 22.5 16-ply tubeless type such as Michelin XZA3+
- B. Rear tires will be 11R x 22.5 14-ply tubeless traction type such as Michelin XDE M&S
- C. Spare wheel and tire, front and rear (one each)
- D. Both front and rear hubs must be cast iron Hub-piloted (ten – hole)
- E. Heavy duty steel Accu-ride wheels shall be 22.5 x 8.25 Hub-pilot style on rear and 22.5 x 9.0 on front. Powder coated painted white

13. FUEL SYSTEM

- A. Fuel storage tank mounted on left side of truck, 50 gallons minimum
(Fuel Tank must not protrude beyond rear of cab)
- B. Non skid step
- C. DEF Tank shall be mounted in close proximity to fuel tank
- D. Fuel heater or approved equal, factory installed
- E. Fuel lines shall be the proper flexible wire braid type
- F. Tank shall be vented in such a manner to prevent fuel spillage if operating on a slope or on level ground with tank full and fuel warm
- G. Suitable mud flaps shall be installed to protect the fuel tank from road debris
- H. Shut-off valve shall be installed at fuel outlet

➤ Does the Bidder comply with the requirements of Section VIII, Subsection 11-13?

_____ Yes _____ No _____ Initials

14. COOLING SYSTEM

- A. Radiator core and tanks shall be heavy duty design and construction
- B. Ample capacity for continuous high engine output under extreme temperatures and/or operating conditions
- C. Heavy duty mounting brackets and hardware
- D. Screw on water filter (time– release) with precharge and factory installed shut off valves
- E. Gates Blue – stripe type radiator and water hoses if available
- F. Extended life antifreeze to -40 degrees F
- G. Viscous driven Fan Clutch

15. EXHAUST

- A. Vertical exhaust designed and installed not to interfere with any customer installed accessories
- B. Curved spout shall be provided
- C. Heavy duty mounting brackets, elbows, piping and expansion joints
- D. Shall keep noise to lowest practical level in accordance with Federal and State Regulations
- E. Aluminized muffler
- F. All REGEN pieces shall be in spaces not to interfere with mounting of body

16. CAB

- A. Preference given to all LED Lighting
- B. Dome light shall have independent switch
- C. Heater/ A/C shall be highest capacity available
- D. Automatic low oil pressure/high temperature/low coolant visual and audible warning system wired in such a way as not to be easily accessible to the operator and operational only when ignition is on
- E. Electric windshield washer
- F. Heavy duty 2-speed electric windshield wipers, minimum with time delay
- G. Dual sun visors
- H. Remote controlled heated West Coast mirrors with 6" chrome spot mirrors on each
- I. Cab grab handles right and left sides
- J. Seat belts- safety orange
- K. Engine tachometer
- L. Driver's seat shall be air suspension high back cloth bucket seat with adjustable lumbar support, fore and aft adjustment, seat and back angle adjustment
- M. Passenger seat shall be identical air ride seat
- N. Instruments shall include, but not be limited to: Oil pressure gauge, water temperature, fuel gauge, brake warning light, low air pressure light and alarm, voltmeter, amp meter, air pressure gauge, dash mounted engine hour meter
- O. All gauges shall be properly marked and illuminated
- P. Full coverage, insulated floormat
- Q. Heavy duty closed cab all steel construction
- R. Backup alarm 97dba
- S. AM-FM stereo w/ WB radio w/ Bluetooth; Additional CB hook-up required

- T. Suitable heavy duty bumper must be supplied mounted on frame
- U. Horn
- V. Directional signals, non – cancelling type with motorized flasher
- W. Cab mounted 5 lb. fire extinguisher
- X. Steering column shall be both tilt and telescopic.
- Y. Powerwindows and door locks
- Z. Exterior fibreglass visor

17. PAINT

- A. High gloss white preferred but will accept an “off the lot” color; wherever possible lead free paint is desired
- B. Chassis semi-gloss black enamel
- C. Cab interior to match exterior

18. MANUALS

- A. Three (3) operator manuals
- B. One (1) line chart per unit
- C. All manuals or software should be delivered prior to acceptance of the final completed vehicle. **Any electronic software available for either parts or service related problems must accompany this vehicle and may be substituted for written material.**

19. Other Requirements

- A. Chassis shall be completely serviced, tuned up, wheels balanced (front) and steering geometry adjusted prior to delivery
- B. A computer analysis of the proposed engine, transmission, rear end combination must be provided
- C. Wherever possible friction materials must be non-asbestos
- D. It is the responsibility of the chassis manufacturer to provide or reposition components to provide “clear frame” for installation of accessories or accessory equipment
- E. Vehicles must be fully operational and ready for service when delivered to the Motor Pool and meet all Federal and State Regulatory Standards. Certified GVWR MUST be furnished
- F. Noise level at the operator's hearing zone must not exceed the applicable OSHA maximum amount with hours of exposure as specified in Table G-16 of Part 1910.95 and D2 of 1926.52. This sound level shall be an eight hour time weighted average in accordance with SAE Standards J1166, J919, J1174, and J1175 or whichever is applicable

➤ Does the Bidder comply with the requirements of Section VIII, Subsection 14-19?
 _____ Yes _____ No _____ Initials

Vendor Name: _____

Please state warranty terms: _____

Please state extended warranty terms: _____



**Bid Form
Cab & Chassis**

**Bid Deadline:
2:00 PM, August 3, 2016**

Equipment must be bid using this bid form. Pages three (3) through nine (9) must be submitted with bid proposal, along with detailed explanation of ALL exceptions, as requested. Failure to do so may result in disqualification.

Description	Qty.	Unit	Total Price
Single Axle Cab & Chassis Year: _____ Make: _____ Model: _____	1	EA	\$ _____
Less: Trade In for	1	EA	\$ _____
Total Bid Amount:			\$ _____
Estimated time of delivery follow receipt of order: _____ weeks			
Price for Extended Power Train (Engine, Transmission, Rear Axle) Warranty:			\$ _____
Length of Warranty: _____ years			
Address of Service Location:			
<i>Price must include all miscellaneous charges; no other charges will be accepted.</i>			

Business Name:			
Street or PO Box:			
City, State, Zip:			
Telephone Number:			
Email Address:			
Contact Name:			
Title:		Date:	